ADE IT Modernization Update

Presented to:

Arizona Ready IT Work Group

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Mark T. Masterson

Chief Information Officer

Agenda

- Welcome and Introductions

- Overview of current status of ADE Data System
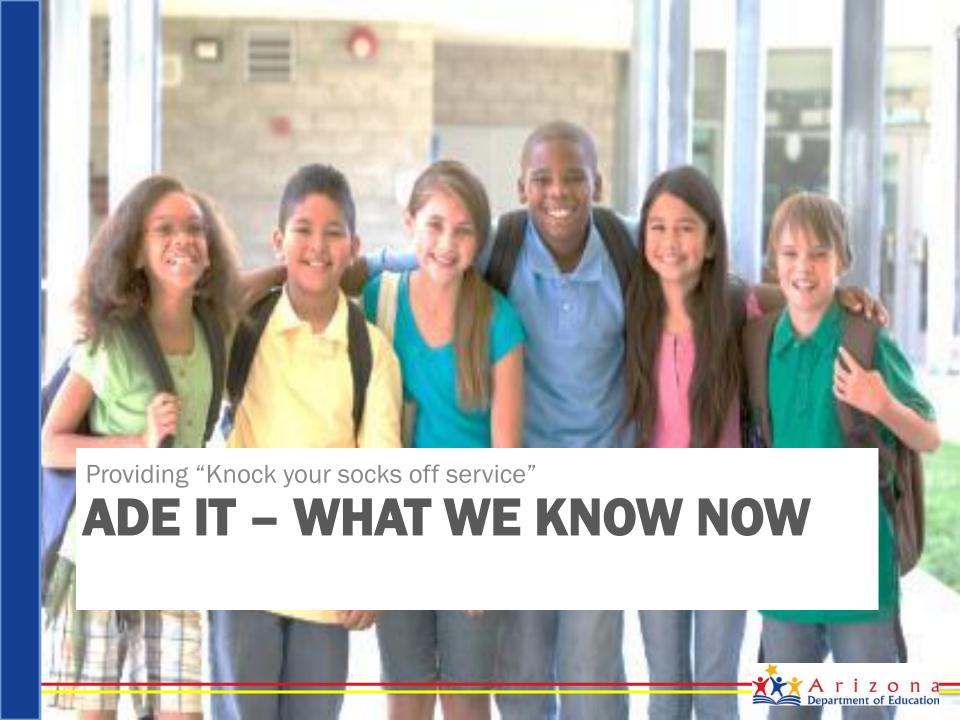
- Determine future meeting schedule and work plan

- Other

Presentation objectives

- Private sector v education

- ED³S

- AELAS

- Gain concurrence to move plan forward and fund fully

Providing "Knock your socks off service"

ADE IT – WHAT WE KNOW NOW

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Accomplishments to date

- SAIS stabilization projects
  - Nearly 1,000 bug fixes
  - Available 99.99%
  - Processing speed increased 200%
  - First time on time 40-day and 100-day aggregation
- Mapped current statutory requirements to system
- Customer satisfaction rating from .7 to 3.2 out of 5
- 100% customer calls answered within 45 seconds

Current data systems are not sustainable

ADE uses SAIS and more than <u>170 other data systems</u>

- **55,000** data elements spread across ADE
- 40% of total state General Fund goes through SAIS
  - Manages **$4 BILLION** on an unsupported application
  - 1% error = **$40,000,000**
- Districts spend at least <u>**$43,500,000** on SAIS personnel annually</u>
- LEAs deal with **50,000+** errors monthly
- Complete and auditable financial transactions are **not available**
- SAIS still **does not know** which student, teacher, school record is accurate
- ADE and LEA communication relies on **manual processes**
- LEAs provide the **same data** multiple times in different formats
- Disparate systems **cannot reconcile** calculations and reports made by different business units within ADE
- Digital content is scattered across multiple applications and systems
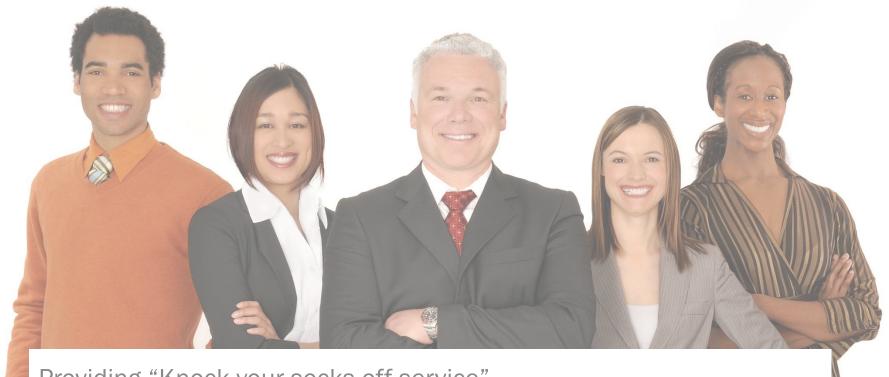
SLDS is not the solution

- Historical, reactive information

- Only meet minimum reporting requirements
  - Transparency and accountability NOT POSSIBLE

- Unable to meet basic user needs

- Data vault not a data warehouse
  - Teacher to student data link absent
  - University to student link absent
  - Historical student record absent
  - Data-driven instruction not possible

Impact beyond schools and districts

- Accurate student data system integration directly impacts:
  - Commerce Authority
  - Corporation Commission
  - Tourism
  - Workforce planning
  - Prison space planning
  - Overall health of the state

- How does this impact you personally?

Providing "Knock your socks off service"

BRINGING "INTELLIGENCE" TO EDUCATION

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Business approach to education

- AELAS Business Case
  - By educators, for educators

- Recognized in *Time* magazine

- Extensive requirements gathering
  - Leverage stakeholders to build products

- Proven marketing/sales techniques
  - Only Education IT shop using social media

Arizona's education roadmap

FY 13	FY 14	FY 15
Accurate, efficient and timely data collection and reporting	Online tools to improve student and teacher success	Turning financial and student data into information for teachers, parents, administrators and policy makers

Reactive, Historical → *Proactive, Predictive*

- Auditable results of state aid distribution
- Accurate student counts
- LEAs better able to forecast and plan

- Online professional development and classroom materials
- Deployment of Common Core Standards
- Sharing online learning and instructional systems

- Systems that can provide answers to questions that cannot even be conceived today

Education Intelligence

The future of education in Arizona

ARRA Mandated

Arizona Education Alliance Members

Foundation	Extended Foundation	Integrated	Fully Integrated
1. Student/Teacher /Course Connection 2. Identity Management System 3. Student Information System (SIS) Link 4. School Payment System (SAIS Payment Replacement) 5. Ed-FI (Dashboards for Districts 6. Public View (ED³S)	1. Foundation Components 2. E-Learning Platform • Learning Management System (LMS) • Content Management System (CMS) • Professional Development Management System (PDMS)	1. Foundation and Extended Foundation Components 2. Assessment System 3. Services Integrated into ED³S providing Decision Support	1. Foundation, Extended, and Integrated Services 2. Districts using SIS and E-Learning Platform to drive (ED3S) real-time education driven decisions. 3. LEA systems are redundant (State system utilized) 4. State provides IAAS and SAAS solutions for LEA's

ED³S = Arizona Education Data Driven Decision System

Next Steps

- Gain concurrence to move plan forward and fund fully

- Roles/responsibilities of this group

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Thank You

Mark T Masterson

Chief Information Officer

(602) 542-3542

Mark.Masterson@AZED.gov

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